



ELK MOTOR SAN. ve TİC. A.Ş.
www.elkmotor.com.tr
+90 (282) 726 92 94

TECHNICAL DATASHEET ACCORDING TO COMMISSION REGULATION (EU) 2019/1781 THREE PHASE INDUCTION MOTOR - SQUIRREL CAGE

Type : 3ED180L4E-PA-BA-000

Date : 01.01.2023

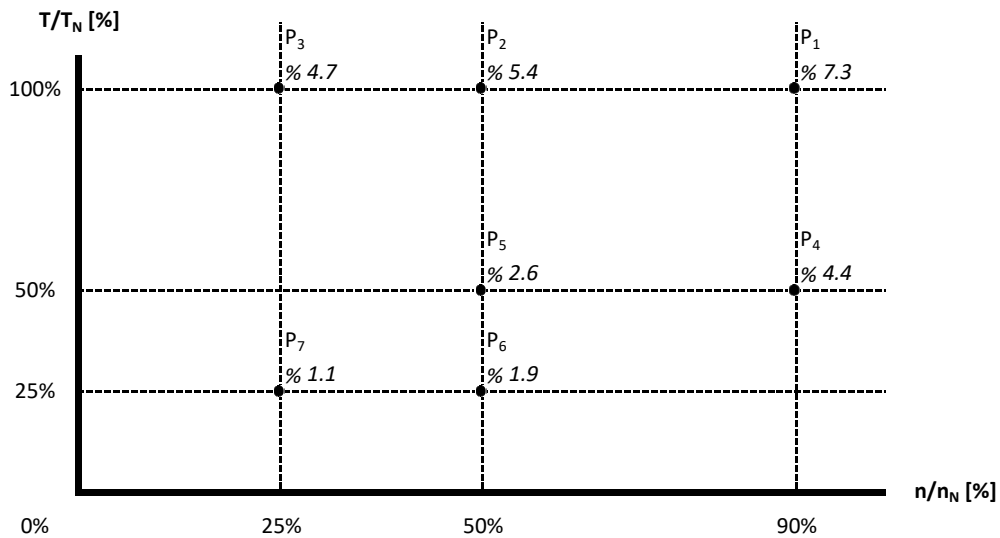
NAMEPLATE DATA

| | | | |
|---------------------------------|------------|--------------------------------|--------|
| Power [kW] | : 30.0 | Nominal Speed [rpm] | : 1470 |
| Nominal Voltage [V] | : 400 | Nominal Current [A] | : 58.0 |
| Connection Type [Δ / Y] | : Δ | Nominal Moment [Nm] | : 195 |
| Nominal Frequency [Hz] | : 50 | Nominal Efficiency [η %] | : 93.6 |

THE POWER LOSSES AT SEVEN OPERATING POINTS ACCORDING TO COMMISSION REGULATION (EU) 2019/1781

| Operating Point Number | Speed n/n_N [%] | Torque T/T_N [%] | Relative Power Losses P_L/P_N [%] | Efficiency η [%] |
|------------------------|-------------------|--------------------|-------------------------------------|-----------------------|
| P ₁ | 90 | 100 | 7.3 | 92.5 |
| P ₂ | 50 | 100 | 5.4 | 90.3 |
| P ₃ | 25 | 100 | 4.7 | 84.2 |
| P ₄ | 90 | 50 | 4.4 | 91.0 |
| P ₅ | 50 | 50 | 2.6 | 90.4 |
| P ₆ | 50 | 25 | 1.9 | 86.8 |
| P ₇ | 25 | 25 | 1.1 | 84.5 |

MAP OF RELATIVE POWER LOSSES P_L/P_N [%]



Manufactured and tested in accordance with IEC 60034

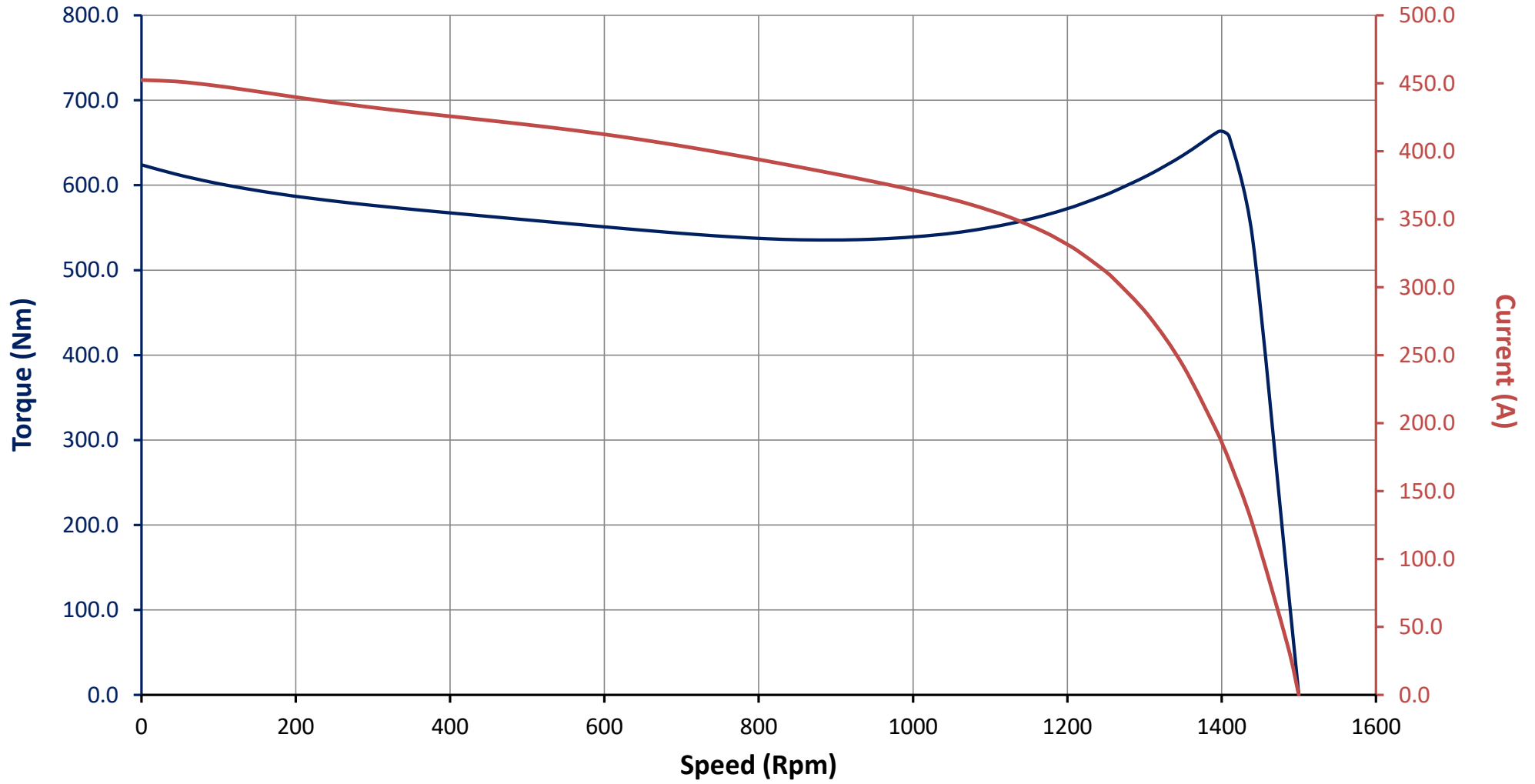
FR.AG.010 REV.NO: 04 REV.DATE: 01.01.2023

*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

*ELK Motor has right to change all the data without prior notice.

Motor Code : 3ED180L4E-PA-BA-000

Torque and Current Curves Related to Speed



Motor Code : 3ED180L4E-PA-BA-000

Performance Curves Related to Rated Output

